



BIOMEDICAL SCIENCES & CLINICAL MEDICINE

This comprehensive set of Biomedical Sciences & Clinical Medicine video resources from JoVE provides the breadth and depth needed to meet the needs of students and researchers at all levels. With videos illustrating basic and advanced concepts and methods, novel experimental research and more, this solution maximizes productivity from the classroom to the advanced research laboratory.

Partnering With JoVE Today

- **Free syllabus mapping and customized playlists for teaching, research and training** JoVE's staff Ph.D.'s can map JoVE content to any syllabus or lab training program and create shareable playlists.
- **Seamless integration with online learning platforms** such as Zoom, Microsoft Teams, Google Classroom, as well as learning management systems.
- **Expanding JoVE Biomedical Sciences & Clinical Medicine solution** keeps up with scientific developments and automatically updates with newly released subject-specific video content and products.



24/7

Access worldwide

8,600+

Biomedical and clinical videos

Improve Learning Outcomes With JoVE



Improve student engagement and learning outcomes

JoVE videos enable quick in-depth comprehension of complex Biomedical Sciences & Clinical Medicine topics, improving student performance by up to 100%.¹ Videos demonstrating laboratory protocols and concepts also help science major and non-major students prepare for lab work: in studies on the effectiveness of JoVE videos, 90% reported feeling more confident in the lab.²



Streamline lesson planning

JoVE videos can save faculty 30+ minutes of lesson planning and facilitate success in in-person, flipped, and virtual classrooms, such as online [lab courses](#). In addition, free syllabus maps, personalized video playlists, and customizable tests are available to support instruction.

"The JoVE videos are an excellent teaching aid and can be used to support teaching of 1st year through to PhD studies, and for both text book learning as well as complex experimental procedures."

—Craig L. Bennett, MSc, Ph.D., Senior Lecturer
in Molecular Biology, University of Lincoln

Accelerate Research With JoVE



Improve reproducibility and productivity

As a young researcher, JoVE's co-founder and CEO Dr. Moshe Pritsker realized that videos could capture the intricate details of complex experiments better than text alone, making them easier to replicate and improving productivity.

"It [watching a JoVE video] can actually bring other researchers to the point where they can, in their laboratory, get the same results that we were getting in the JoVE publication."

—Marilene Pavan, Lab Manager at Boston University



Save time, money and resources

JoVE videos save time and money spent on travel and resources oftentimes needed to reproduce a complex experiment or learn a new technique. After adopting JoVE videos, Valerie Rezek, Lab Manager at UCLA, saved 2,336 work hours, 20% of lab resources, and at least \$5,700 in personnel costs.



Enable faster onboarding and training of new lab members

JoVE videos make onboarding and training more efficient, and preserve knowledge in the lab by providing a consistent reference point for new researchers working on old or ongoing projects.

¹ Mutch-Jones, K., Sengupta, N., Minor, V. C., & Goudsouzian, L. K. (2020). Professional science education videos improve student performance in nonmajor and intermediate biology laboratory courses. *Biochemistry and Molecular Biology Education*. Advance online publication. ² Ramachandran, R., Sparck, M., & Levis-Fitzgerald, M. (2019). Investigating the Effectiveness of Using Application-Based Science Education Videos in a General Chemistry Lecture Course. *Journal of Chemical Education* 96(3), 479–485.

JoVE Core

■ Biology

■ Molecular Biology

Video textbooks that explain key concepts and theory through 2-3 minute videos featuring high-impact animations and scientist-in-action experiment demonstrations. They can serve as effective primary or supplementary teaching resources. Biology textbook covers topics in various branches of biology, from genetics to ecology, and features 9 voice-over translations. Molecular Biology, released in February 2021, provides an in-depth look at the cellular and extracellular processes of life.

JoVE Lab Manual: Biology

Curriculum-focused video resources which provide faculty and students with step-by-step instructions for commonly taught labs. There are three separate videos for each lab experiment, illustrating preparation for instructors, key theoretical concepts, and a protocol for students.

JoVE Science Education: Clinical Skills

A practical visual resource that is dedicated to teaching clinical fundamentals, such as examinations and procedures routine to everyday patient care, through easy-to-understand video demonstrations with downloadable text protocols and subtitles in over 10 languages. These comprehensive videos not only capture integral techniques for physical exams but also provide additional information that is usually omitted elsewhere.

JoVE Journal

■ Bioengineering

■ Immunology & Infection

■ Biology

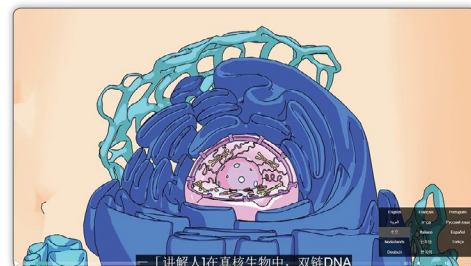
■ Medicine

■ Cancer Research

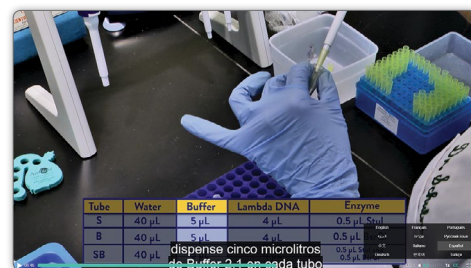
■ Neuroscience

■ Genetics

A peer-reviewed scientific video journal indexed in PubMed, Web of Science, SciFinder, Scopus and SCI Expanded. Scientific research is published in video form alongside downloadable text protocols, bringing to life the intricate details of experimental methods.



DNA Packaging



DNA Isolation and Restriction Enzyme Analysis



Clinical Skills — Basic Life Support: Cardiopulmonary Resuscitation and Defibrillation



Medicine – Remote Laboratory Management: Respiratory Virus Diagnostics